

IN THE CLAIMS:

Please amend the claims as follows:

1. (currently amended) A wireless access point for use in a local area network for transmitting data among networked devices, the wireless access point comprising:
a wireless transceiver for wireless receiving and transmitting a data signal among said networked devices; and
a controller for controlling said transceiver to receive and transmit said data signal among networked devices within range of said transceiver so as to wirelessly relay said data signal among said networked devices in accordance with a designated recipient device of said data signal specified by said data signal.
2. (original) The wireless access point of claim 1, wherein said access point has no wired connection to said local area network, but communicates with other networked devices of said network solely through said wireless transceiver.
3. (original) The wireless access point of claim 1, further comprising a power connector for connecting said access point to a power supply.
4. (original) The wireless access point of claim 3, wherein said power connector is a pair of prongs for connection to a wall outlet as said power supply.
5. (original) The wireless access point of claim 3, wherein said power connector is a threaded connector for connection to a light bulb socket as said power supply.
6. (original) The wireless access point of claim 3, further comprising an alternate power source.
7. (original) The wireless access point of claim 6, wherein said alternate power source is rechargeable and said access point further comprises a charger connected between said power connector and said alternate power source.

8. (original) The wireless access point of claim 1, further comprising a power-line modem connected to a power line, wherein said controller further controls said power-line modem to receive, transmit and relay said data signal among networked devices connected to said power line through respective power-line modems.

9. (original) The wireless access point of claim 8, further comprising a connection to said power-line for drawing power to power said access point.

10. (original) The wireless access point of claim 1, further comprising a test port for testing or configuring said access point.

11. (original) The wireless access point of claim 1, wherein said access point is incorporated in one of said networked devices to allow that networked device to wirelessly communicate with other networked device through said access point.

12. (original) A method of extending a local area network with one or more wireless access points each comprising a wireless transceiver for wirelessly receiving and transmitting a data signal among networked devices, the method comprising controlling said transceiver to receive and transmit said data signal among networked devices within range of said transceiver so as to wirelessly relay said data signal among said networked devices in accordance with a designated recipient device of said data signal.

13. (original) The method of claim 12, wherein said access point has no wired connection to said local area network, but communicates with other networked devices of said network solely through said wireless transceiver.

14. (original) The method of claim 12, further comprising connecting said access point to a power supply.

15. (original) The method of claim 14, further comprising providing a pair of prongs for connection to a wall outlet as said power supply.

16. (original) The method of claim 14, further comprising providing a threaded connector for connection to a light bulb socket as said power supply.

17. (original) The method of claim 14, further comprising providing an alternate power source for said access point.

18. (original) The method of claim 17, wherein said alternate power source is rechargeable and said method further comprises recharging said alternate power source.

19. (original) The method of claim 12, further comprising:
connecting said access point to a power line through a power-line modem; and
controlling said power-line modem to receive, transmit and relay said data signal among networked devices connected to said power line through respective power-line modems.

20. (original) The method of claim 19, further comprising connecting said access point to said power-line for drawing power to power said access point.

21. (original) The method of claim 12, further comprising testing or configuring said access point through a test port.

22. (original) The method of claim 12, further comprising:
incorporating said access point in one of said networked devices; and
communicating said data signal to and from that networked device through said incorporated access point.

23. (original) A wireless access point for use in a local area network for transmitting data among networked devices, the wireless access point comprising:
transceiver means for wireless receiving and transmitting a data signal among said networked devices; and

controller means for controlling said transceiver means to receive and transmit said data signal among networked devices within range of said transceiver means so as to wirelessly relay said data signal among said networked devices in accordance with a designated recipient device of said data signal.

24. (original) A system including a wireless data local-area-network that supports wireless portable devices, the system comprising:

a plurality of wireless access points in said network which receive wireless transmissions from said portable devices;

a processor for determining a location of a portable device based on transmissions received by any of said plurality of access points from said portable device, wherein said processor may be in said wireless portable device or may be in an access point or other networked device;

wherein a functionality of said portable device is controlled in response to said determined location.

25. (original) The system of claim 24, wherein one or more of said wireless access points has a wired connection to said network.

26. (original) The system of claim 24, wherein said portable device comprises a wireless phone unit that controls a ringer volume according to said determined location.

27. (original) The system of claim 24, wherein said portable device comprises a wireless phone unit that controls a voice mail feature according to said determined location.

28. (original) The system of claim 24, wherein said portable device is a personal digital assistant which provides different features or information according to said determined location.

29. (original) A method of controlling a wireless portable device which is part of a wireless data local-area-network that supports wireless portable devices, said network further comprising a plurality of wireless access points which receive wireless transmissions from said portable device, and a device, which is incorporated into said portable device or into said network, for determining a location of said portable device based on transmissions received by any of said plurality of access points from said portable device, the method comprising controlling a functionality of said portable device in response to said determined location.